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1   Optimized ticket distribution scheme for fast re-authentication protocol (fap)

Maryna Komarova, Michel Riguidel
October   Q2SWinet '07: Proceedings of the 3rd ACM workshop on QoS and security
2007   for wireless and mobile networks
Publisher: ACM
Full text available: 📄 pdf(334.76   Additional Information: full citation, abstract, references, index terms
KB)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 90, Citation Count: 0

In this paper we introduce a ticket distribution scheme for Fast re-Authentication
protocol (FAP) for inter-domain roaming. FAP is designed to reduce the
authentication time of a mobile user in a visited administrative domain. The approach
eliminates ...

Keywords: authentication, authorization, inter-domain roaming, wireless security

2 A peer-to-peer approach to wireless LAN roaming

Elias C. Efstathiou, George C. Polyzos
September   WMASH '03: Proceedings of the 1st ACM international workshop on
2003   Wireless mobile applications and services on WLAN hotspots
Publisher: ACM

Full text available: pdf(279.70 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 137, Citation Count: 3

We make the case for a Global Confederation of Peer-to-Peer (P2P) Wireless Local Area Networks. A P2P Wireless Network Confederation (P2PWNC) is a community of administrative domains that offer wireless Internet access to each other's registered users. ...

Keywords: P2P, WISP, WLAN, Wi-Fi, incentives, mixes, privacy, roaming

3 Improved EAP keying framework for a secure mobility access service

Rafa Marin Lopez, Antonio Gomez Skarmeta, Julien Bournelle, Maryline Laurent-Maknavicus, Jean Michel Combes
July   IWCMC '06: Proceedings of the 2006 international conference on Wireless
2006   communications and mobile computing
Publisher: ACM

Full text available: pdf(134.94 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 121, Citation Count: 0

Users roaming is an important feature to be provided by current ISPs. The goal is to allow users to access to the Internet from everywhere without the need to have multiple subscriptions.A suitable authentication and key distribution mechanism between ...

Keywords: EAP, access control, authentication, key hierarchy, key management, mobility, roaming

4 Extended Internet caching protocol: a foundation for building ubiquitous Web caching

Wenzheng Gu, Abdelsalam (Sumi) Helal
March   SAC '03: Proceedings of the 2003 ACM symposium on Applied computing
2003
Publisher: ACM

Full text available: pdf(695.68 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 94, Citation Count: 0

Internet access by nomadic users roaming on a mobile network presents a scenario of access that is substantially different from the wired network. With current web caching technology, accessing the web while mobile is slow not only because of bandwidth ...

Keywords: Internet Caching Protocol, Mobile IP, Mobile Web Caching

5 mPERSONA: personalized portals for the wireless user: An agent approach
Christoforos Panayiotou, George Samaras
December   Mobile Networks and Applications,   Volume 9 Issue 6
2004
Publisher: Kluwer Academic Publishers
Full text available: pdf(1.30   Additional Information: full citation, abstract, references, cited by, index
MB)   terms
  Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 93,   Citation Count: 2

The needs of the wireless and mobile user regarding information access and services are quite different than those of the desktop user. This need is not about browsing the Web but about receiving personalized services that are highly sensitive to the ...

Keywords: mobile agents, mobile computing, personalization, pervasive computing, wireless portals

6 Network layer access control for context-aware IPv6 applications
Adrian Friday, Maomao Wu, Joe Finney, Stefan Schmid, Keith Cheverst, Nigel Davies
July   Wireless Networks,   Volume 9 Issue 4
2003
Publisher: Kluwer Academic Publishers
Full text available: pdf(3.57   Additional Information: full citation, abstract, references, cited by, index
MB)   terms
  Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 151,   Citation Count: 1

As part of the Lancaster GUIDE II project, we have developed a novel wireless access point protocol designed to support the development of next generation mobile context-aware applications in our local environs. Once deployed, this architecture will ...

Keywords: authentication, mobile IPv6, public access point, security, wireless Internet

7 A cost-efficient signaling protocol for mobility application part (MAP) in IMT-2000 systems

Wenye Wang, Ian F. Akyildiz
July   MobiCom '01: Proceedings of the 7th annual international conference on
2001   Mobile computing and networking
Publisher: ACM

Full text available: pdf(239.98 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 36,   Citation Count: 0

An efficient signaling protocol for mobility application part (MAP) is essential to mobility support when mobile terminals roam between different networks in next generation wireless systems such as IMT-2000. In this paper, a new signaling protocol is ...

8 Determination of the Registration Point for Location Update by Dynamic Programming in PCS

Chae Y. Lee, Seon G. Chang
September   Wireless Networks,   Volume 7 Issue 4
2001
Publisher: Kluwer Academic Publishers

Full text available: pdf(205.97 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 22,   Citation Count: 1

Location management is important to effectively keep track of mobile terminals with reduced signal flows and database queries. Even though dynamic location management strategies are known to show good performance, we in this paper consider the static ...

Keywords: dynamic programming, location management, selective pointer forwarding

9 "May we have class outside?": implementing service learning in a CS1 curriculum

Joseph Brian Adams, Erica Runkles
May   Journal of Computing Sciences in Colleges,   Volume 19 Issue 5
2004
Publisher: Consortium for Computing Sciences in Colleges

Full text available: pdf(151.61 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 27,   Citation Count: 1

While service-learning is becoming more common in college curriculums, it is still noticeably absent from many computer science programs. This paper describes the concept of service-learning and its implementation into a computer science course. It then ...

10 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August   SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
2004

Publisher: ACM

Full text available: pdf(17.65 MB)   Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 79, Downloads (12 Months): 1679, Citation Count: 1

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives ...

11 Process migration

Dejan S. Miloji•i•, Fred Douglis, Yves Paindaveine, Richard Wheeler, Songnian Zhou

September 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 3

Publisher: ACM

Full text available: pdf(1.24 MB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 677, Citation Count: 24

Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has ...

Keywords: distributed operating systems, distributed systems, load distribution, process migration

12 A mobile computing middleware for location- and context-aware internet data services

Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli
November 2006   ACM Transactions on Internet Technology (TOIT),   Volume 6 Issue 4

Publisher: ACM

Full text available: pdf(316.77 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 72,   Downloads (12 Months): 780,   Citation Count: 0

The widespread diffusion of mobile computing calls for novel services capable of providing results that depend on both the current physical position of users (location) and the logical set of accessible resources, subscribed services, preferences, and ...

Keywords: Mobile computing, adaptive services, context awareness, location awareness, middleware, mobile agents, policies

13 A secure authentication and billing architecture for wireless mesh networks

Yanchao Zhang, Yuguang Fang
October 2007 Wireless Networks,   Volume 13 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: pdf(501.79 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 39,   Downloads (12 Months): 275,   Citation Count: 0

Wireless mesh networks (WMNs) are gaining growing interest as a promising technology for ubiquitous high-speed network access. While much effort has been made to address issues at physical, data link, and network layers, little attention has been paid ...

Keywords: authentication, billing, roaming, security, wireless mesh networks (WMNs)

14 A framework for seamless roaming across heterogeneous next generation wireless networks

Nirmala Shenoy
November 2005   Wireless Networks,   Volume 11 Issue 6

Publisher: Kluwer Academic Publishers

Full text available: pdf(826.04 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 99,   Citation Count: 0

In the future, wireless and mobile users will have increased demands for seamless roaming across different types of wireless networks, quality of service guarantees and support of different types of services. This awareness has led to research activities ...

Keywords: QoS provisioning, handoff management, heterogenous wireless networks, seamless roaming

15 A framework for seamless roaming across heterogeneous next generation wireless networks

Nirmala Shenoy
September 2005   Wireless Networks, Volume 11 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(826.04 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 151, Citation Count: 1

In the future, wireless and mobile users will have increased demands for seamless roaming across different types of wireless networks, quality of service guarantees and support of different types of services. This awareness has led to research activities ...

Keywords: QoS provisioning, handoff management, heterogenous wireless networks, seamless roaming

16 An approach to enhance inter-provider roaming through secret sharing and its application to WLANs

Ulrike Meyer, Jared Cordasco, Susanne Wetzel
September 2005   WMASH '05: Proceedings of the 3rd ACM international workshop on Wireless mobile applications and services on WLAN hotspots
Publisher: ACM
Full text available: pdf(278.20 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 106, Citation Count: 0

In this paper, we show how secret sharing can be used to address a number of shortcomings in state-of-the-art public-key-based inter-provider roaming. In particular, the new concept does not require costly operations for certificate validation by the ...

Keywords: 802.11i, EAP-TLS-KS, PKI, WLAN, distributed DSS, inter-provider roaming, micropayment scheme, secret sharing

17 Wireless hotspots: current challenges and future directions

Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl
June 2005   Mobile Networks and Applications, Volume 10 Issue 3
Publisher: Kluwer Academic Publishers

Full text available: pdf(780.01 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 430, Citation Count: 2

In recent years, wireless Interact service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowering them with the ability to access email, Web, and other Internet ...

Keywords: deployment, performance

18 Agent-based modeling and simulation: desktop ABMS

Charles M. Macal, Michael J. North
December   WSC '07: Proceedings of the 39th conference on Winter simulation: 40
2007   years! The best is yet to come
Publisher: IEEE Press

Full text available: pdf(755.62 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

Agent-based modeling and simulation (ABMS) is a new approach to modeling systems comprised of autonomous, interacting agents. ABMS promises to have far-reaching effects on the way that businesses use computers to support decision-making and researchers ...

19 UbiComp in opportunity spaces: challenges for participatory design

Eva Hornecker, John Halloran, Geraldine Fitzpatrick, Mark Weal, David Millard, Danius Michaelides, Don Cruickshank, David De Roure
August   PDC '06: Proceedings of the ninth conference on Participatory
2006   design: Expanding boundaries in design - Volume 1, Volume 1
Publisher: ACM

Full text available: pdf(163.05 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 102, Citation Count: 2

The rise of ubiquitous computing (UbiComp), where pervasive, wireless and disappearing technologies offer hitherto unavailable means of supporting activity, increasingly opens up 'opportunity spaces'. These are spaces where there is no urgent problem ...

Keywords: case study, participatory design, ubiquitous computing

20   The changing usage of a mature campus-wide wireless network

Tristan Henderson, David Kotz, Ilya Abyzov

September 2004   MobiCom '04: Proceedings of the 10th annual international conference on Mobile computing and networking

Publisher: ACM

Full text available: 🔲 pdf(625.48 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 21,   Downloads (12 Months): 234,   Citation Count: 39

Wireless Local Area Networks (WLANs) are now commonplace on many academic and corporate campuses. As "Wi-Fi" technology becomes ubiquitous, it is increasingly important to understand trends in the usage of these networks.This paper analyzes an extensive ...

Keywords: 802.11, VoIP, WLAN, Wi-Fi, telephony, voice, wireless network

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